

EMBL WWW Gateway to Isoelectric Point Service

Sequence

DQALGINSTSQNDSTSGTDSTSDSSDP

*Acidic domain
130-157
amino acids*

The Net Charge had been determined using the values available from the Lehninger's Biochemistry book. At the time this service being developed, they were also available on the WWW

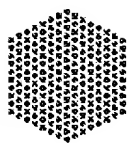
pH	Charge
1	0.948018261639416
1.5	0.847633295307944
2	0.60460489109324
2.5	0.157969419341701
3	-0.548265704189067
3.5	-1.75852152212229
4	-3.4579913706306
4.5	-4.87480894397817
5	-5.59253725721168
5.5	-5.86499947383973
6	-5.95683186594797
6.5	-5.98686226987753
7	-5.99767223141208
7.5	-6.00503399873768
8	-6.01957203329395
8.5	-6.06051141776851
9	-6.16951140402793
9.5	-6.39232512151566
10	-6.6712362123256
10.5	-6.86588820101646
11	-6.95330851009778
11.5	-6.98474792027294
12	-6.99512603953345
12.5	-6.99845356469001
13	-6.999510456578

Isoelectric Point: 2.63499999999997 (using a pH increment of 0.005 for the calculation of the lowest

net charge. Charge at that pH is -0.000879473230692707)



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EMBL WWW Gateway to Isoelectric Point Service

Sequence

QNAGLGGSNSALGLGGGNQNDTVNQLA

Acidic domain 32-57 amino acids

The Net Charge had been determined using the values available from the Lehninger's Biochemistry book. At the time this service being developed, they were also available on the WWW

pH	Charge
1	0.954910668792051
1.5	0.86936422795844
2	0.672684346237151
2.5	0.367098519156648
3	0.0582095397516756
3.5	-0.239165374270291
4	-0.558492568841197
4.5	-0.80674789145024
5	-0.930287402194557
5.5	-0.97697758612558
6	-0.992793147496482
6.5	-0.998290427744178
7	-1.00129178907472
7.5	-1.00617917022043
8	-1.01993422503551
8.5	-1.06062595852717
9	-1.16954762556353
9.5	-1.39233657582768
10	-1.67123983450278
10.5	-1.86588934645002
11	-1.95330887231574
11.5	-1.98474803481632
12	-1.99512607575525
12.5	-1.99845357614435
13	-1.99951046020018

Isoelectric Point: 3.09999999999996 (using a pH increment of 0.005 for the calculation of the lowest

net charge. Charge at that pH is -2.57039486362132e-07)



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